

Passport to Success - Year 6 to 7 Transition - due

Question 1 - (1 marks available)

Put these numbers in order of size, smallest to largest:

6, -2, 4, -3, 1

Question 2 - (1 marks available)

Put these numbers in order of size, smallest to largest:

4.5, -1, -3, -3.5, 3

Question 3 - (1 marks available)

Which of these two numbers is the largest?

4.12 or 4.21

Question 4 - (1 marks available)

Which of these three numbers is the largest?

4.187 or 4.2 or 4.099

Question 5 - (3 marks available)

$$\begin{array}{r} 89 \\ + 78 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ + 67 \\ \hline \end{array}$$

Question 6 - (3 marks available)

$$\begin{array}{r} 816 \\ + 84 \\ \hline \end{array}$$

$$\begin{array}{r} 867 \\ + 566 \\ \hline \end{array}$$

$$\begin{array}{r} 243 \\ + 758 \\ \hline \end{array}$$

Question 7 - (3 marks available)

$$\begin{array}{r} 74 \\ - 45 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ - 18 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ - 27 \\ \hline \end{array}$$

Question 8 - (3 marks available)

$$\begin{array}{r} 523 \\ - 61 \\ \hline \end{array}$$

$$\begin{array}{r} 456 \\ - 187 \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ - 231 \\ \hline \end{array}$$

Question 9 - (2 marks available)

$$\begin{array}{r} 68 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ \times 3 \\ \hline \end{array}$$

Question 10 - (3 marks available)

Work out the answers to the following: a) 7×10

b) 5×10

c) 10×4

Question 11 - (2 marks available)

Work out the answers to the following:

$$2 \overline{) 68}$$

$$3 \overline{) 69}$$

Question 12 - (2 marks available)

Work out the answers to the following:

$$4 \overline{) 96}$$

$$5 \overline{) 90}$$

Question 13 - (1 marks available)

Write down first five multiples of 7.

Question 14 - (1 marks available)

What is the seventh multiple of 4?

Question 15 - (2 marks available)

Write down the next two terms in this number pattern

2, 5, 8, 11, ,

Question 16 - (1 marks available)

This rule shows how to get from one number to the next in a sequence.
Use the rule to write the next two terms in the sequence.

Rule: Add 7

3 10

Question 17 - (2 marks available)

Work out the answer to

$$\begin{array}{r} 1437 \\ + 392 \\ \hline \end{array}$$

Question 18 - (2 marks available)

Work out the answer to

$$\begin{array}{r} 284.7 \\ + 46.6 \\ \hline . \end{array}$$

Question 19 - (2 marks available)

Use pen and paper to work out the answer to $124.62 + 13.81$

Question 20 - (2 marks available)

Work out the answer to

$$\begin{array}{r} 1783 \\ - 256 \\ \hline \end{array}$$

Question 21 - (1 marks available)

Work out the answer to

$$\begin{array}{r} 348.9 \\ - 35.7 \\ \hline \end{array}$$

Question 22 - (1 marks available)

Use pen and paper to work out the answer to $56.83 - 5.4$

Question 23 - (1 marks available)

Work out the answer to 4×21

Question 24 - (1 marks available)

Work out the answer to 2.7×2

Question 25 - (1 marks available)

Work out the answer to 7.6×8

Question 26 - (1 marks available)

Work out the answer to

$$6 \overline{) 714}$$

Question 27 - (2 marks available)

Work out the answers to the following a) 6×10

b) $6 \div 10$

Question 28 - (2 marks available)

Work out the answers to the following a) 348×10

b) $461 \div 10$

Question 29 - (2 marks available)

Work out the answers to the following

a) 2.4×10

b) $2.4 \div 10$

Question 30 - (2 marks available)

Work out the answers to the following

a) 341.6×1000

b) $341.6 \div 1000$

Question 31 - (2 marks available)

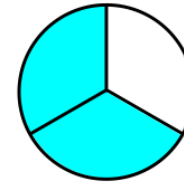
Answer the following:

a) $2 + 3 \times 6 =$

b) $(2 + 3) \times 6 =$

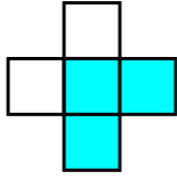
Question 32 - (1 marks available)

What fraction of the shape is shaded?



Question 33 - (1 marks available)

What fraction of the shape is shaded?



Question 34 - (1 marks available)

Write the fraction $\frac{7}{14}$ in its simplest form.

Question 35 - (1 marks available)

Write the fraction $\frac{15}{25}$ in its simplest form.

Question 36 - (2 marks available)

Find

- a) 50% of £80
- b) 25% of £80

Question 37 - (1 marks available)

Work out 10% of 13 kg

Question 38 - (3 marks available)

Round the following numbers to the nearest 10

a) 83

b) 127

c) 245

Question 39 - (3 marks available)

Round the following numbers to the nearest 1000

a) 4682

b) 123361

c) 56500

Question 40 - (2 marks available)

Fill in the boxes to complete this multiplication:

$$\begin{array}{r} \\ \\ \hline \\ \\ \hline \end{array}$$

Question 41 - (2 marks available)

Fill in the boxes to complete this multiplication:

$$\begin{array}{r} 3 2 6 \\ \times 5 1 \\ \hline 2 \\ 0 0 \\ \hline \end{array}$$

Question 42 - (4 marks available)

Work out the answers to:

a) 4.8×9

b) 5.4×0.2

Question 43 - (2 marks available)

Work out the answer to

$$882 \div 14$$

Question 44 - (2 marks available)

Work out the answer to

$$12048 \div 24$$

Question 45 - (2 marks available)

Work out the answer to

$$227.2 \div 16$$

The 16 times table:

16
32
48
64
80
96
112
128
144
160

Question 46 - (2 marks available)

Work out

a) $\frac{2}{5}$ of 60

b) $\frac{1}{4}$ of 60

Question 47 - (2 marks available)

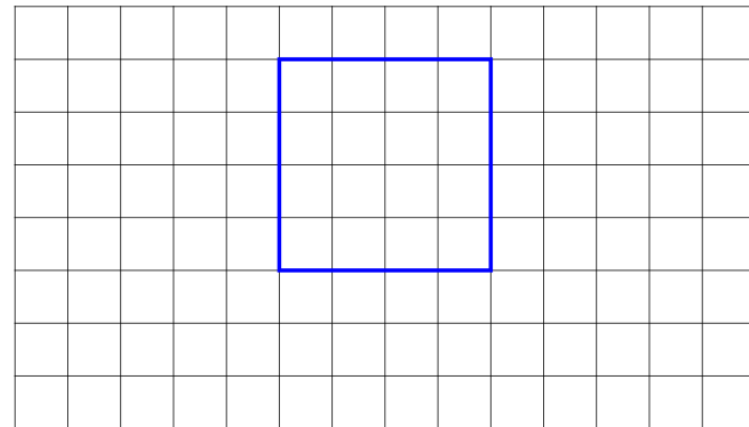
Write the missing numbers

a) $\quad = \frac{1}{5}$ of 15

b) $\quad = \frac{3}{4}$ of 48

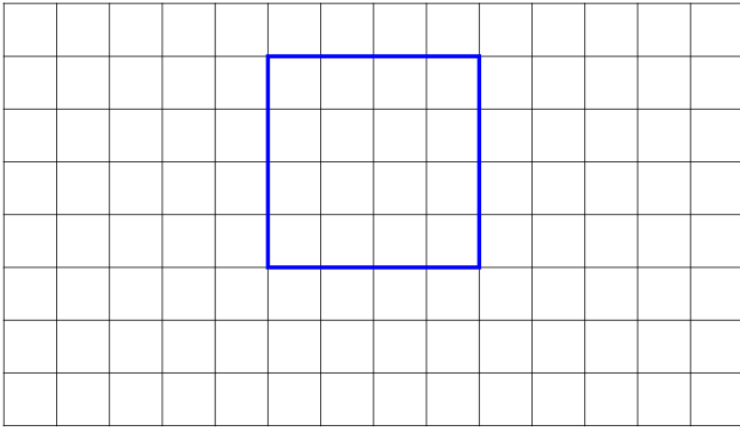
Question 48 - (1 marks available)

Find the area of the square on this centimetre grid.



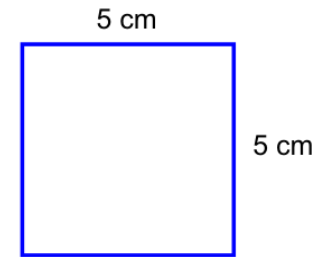
Question 49 - (1 marks available)

Find the perimeter of the square on the centimetre grid.



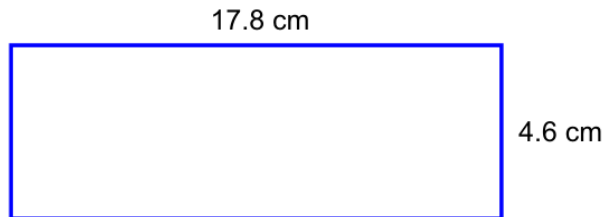
Question 50 - (1 marks available)

Find the perimeter of this square with sides of length 5 cm.



Question 51 - (1 marks available)

Find the perimeter of this rectangle.



Question 52 - (3 marks available)

Fill in the blanks:

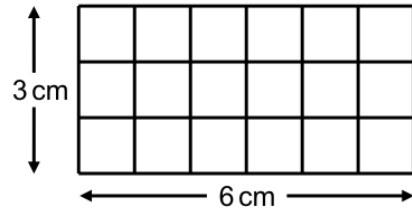
The three angles in a triangle always add up to _____ degrees.

Angles on a straight line always add up to _____ degrees.

Angles at a point always add up to _____ degrees.

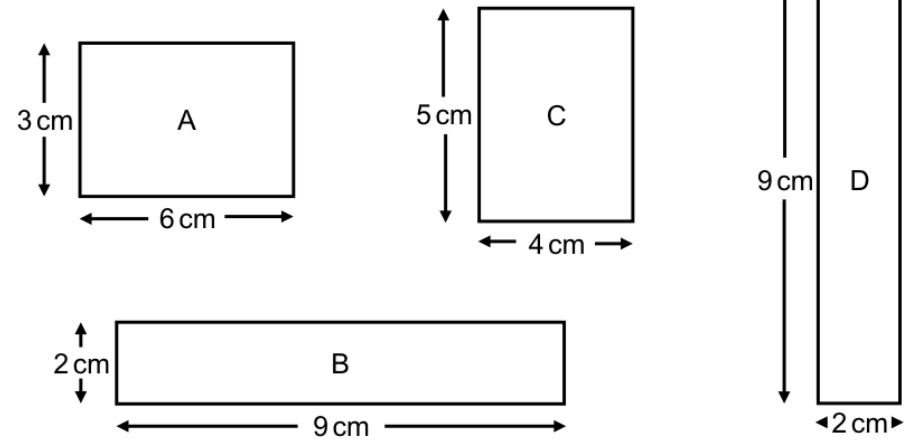
Question 53 - (1 marks available)

What is the area of this rectangle?



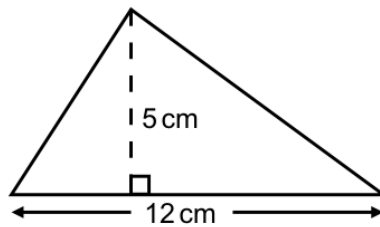
Question 54 - (3 marks available)

Which of the rectangles below have an area of 18 cm^2 ?



Question 55 - (2 marks available)

The diagram shows a triangle.

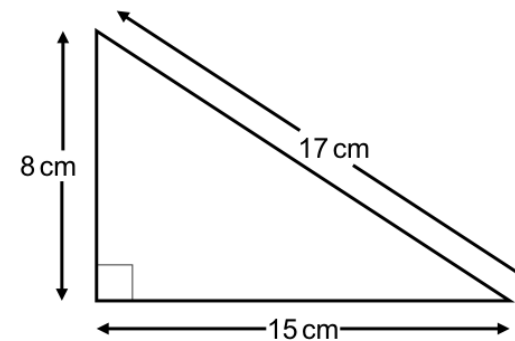


Not drawn accurately

Work out the area of the triangle.

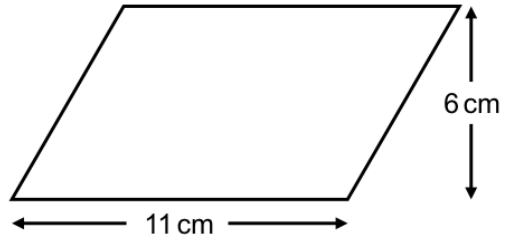
Question 56 - (2 marks available)

Calculate the area of this triangle.



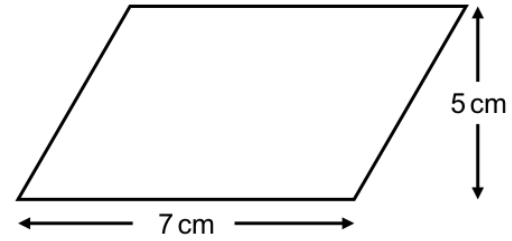
Question 57 - (1 marks available)

Find the area of this parallelogram.



Question 58 - (1 marks available)

Find the area of this parallelogram.



Question 59 - (3 marks available)

Simplify these expressions

- a) $2a + 5a$
- b) $12x - 3x$
- c) $3p + 2p - p$

Question 60 - (3 marks available)

Simplify these expressions

- a) $5 \times x$
- b) $6 \times x \times y$
- c) $2 \times x \times 3 \times y$

Question 61 - (3 marks available)

If $x = 6$, find the value of

- a) $x + 4$
- b) $3x$
- c) $\frac{x}{2}$

Question 62 - (1 marks available)

Write the first four terms of this sequence

Start at 3 and add 4

, , , ,

Question 63 - (3 marks available)

Here is a list of numbers:

3 6 9 7 4 6 7 0 7

Find:

- a) the median
- b) the range
- c) the mode

Question 64 - (3 marks available)

There are four people in Steven's family.
Their shoe sizes are 6, 8, 10 and 10.

- a) What is the median shoe size in Steven's family?
- b) What is the modal shoe size in Steven's family?
- c) What is the range of shoe sizes in Steven's family?

Question 65 - (3 marks available)

Here is a list of numbers:

8 7 12 7 11 10 7 12

Find:

- a) the median
- b) the range
- c) the mode

Question 66 - (2 marks available)

Find the mean of the following numbers:

7 21 2 17 3 13 7 4 9 7 9

Question 67 - (2 marks available)

Find the mean of the following numbers:

8 0 3 3 1 7 4 1 4 4